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APR 63 190

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No 10, 1960, pp 737-747.

JPRS 7633

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NASA TT P-9507

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Mikrobiologie, Immunologie, Vol X, Jan 1961,
pp 18-22.

JPRS 10084

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pp. 534-540,
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ID 2204005466

Havlik, Ladislav

Sci - Elec

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(DC-5965)

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Intervision, A New Concept in the Television
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of Pyromellitic Acid With 8-Phenylenediamine,
by J. Arient, L. Havlickova.
CZECH, per, Czechoslovakian Chemical
Communications, Vol XXVIII, 1963, pp 2534-2536.
P910038865
NASA TT F-9529

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MUST BE TO THE ORIGINAL CZECH SOURCE. #)(309.801
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FSTC 381-T64-S3

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Experimental Transmission of Toxoplasmosis by the
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28 Dec 1951, pp 1516-1518.

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Automatization of the Weaving Industry, by
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31 Aug 1958, p 7.

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EKur - Czechoslovakia

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Jan 59

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On Some Experiences in the Work of the Communist
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JPRS 12455

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HAVLOVIC, 11 PP. OFFICIAL USE ONLY

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VOL VI, NO 7, 1961, PP 411-418.
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New Materials for the Chemical Industry, by
Josef Havranek, 4 pp.

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Effect of a Mechanical Treatment and or a Glow
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K. Schöber, 21 pp.

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Sci - Phys

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Mar/Apr 1960, pp 47-49.

JPRS 8128

EEur - Albania

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OXIDATION PROCESS. [1961] 20p.
Order from SLA mi\$2.40, ph\$3.30 61-10827

Trans. of Belgian patent 556,105, by General Electric Co., U. S., 25 Mar 57 (priority: U. S. appl. 574,076, 27 Mar 56).
Another translation is available from ATS \$22.80 as ATS-10L37F [1960] 9p.

A process is given for preparation of aromatic carboxylic acids by oxidation of an aralkyl compound in acetic acid, in the presence of a cobaltous catalyst. The process is characterized in that ozone is used to initiate the reaction and that oxygen is passed into the reaction mixture, which is maintained at a temperature of 90 to 110°C. The water content of the reaction mixture is maintained below 0.1 parts by weight of water per part of acetic acid.

(Chemistry--Physical, TT, v. 5, no. 12)

61-10827

1. Chemical reactions--
Analysis
2. Title: Oxidation process
- I. Hay, A. S.
- II. Patent (Belgium) 556 105

Office of Technical Services

Hay, Allan Stuart.
PROCESS FOR RAPID OXIDATION. [1961] 50p.
Order from LC or SLA ml\$3.30, ph\$7.80 61-10826

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The invention relates to a process for preparing aromatic ketones and carboxylic acids at a high reaction rate and in high yields by a process which consists in oxidizing the alkyl side chain of aralkyl compounds with oxygen in the presence of a catalyst that contains cobalt, bromine, and a carboxylic acid.

(Chemistry - Organic, TT, V. 5, no. 12)

61-10826

1. Ketones--Synthesis
 2. Carboxylic acids--
Synthesis
 3. Cyclic compounds--
Oxidation
 4. Catalysts--Effectiveness
- I. Hay, A. S.
 - II. Patent (Belgium) 589 336

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Dynamic Calibration of Pressure Pickups by the
Shock-Tube Method and Automatic Reduction of the
Response Curves, by P. Lienard, J. Hay, et al.
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May, Jun 1963.
NASA TT F-8883

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JPRS 7445

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ABC 67-3897

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Feb 60

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M. Hayakawa

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Quantitative analysis of carbon monoxide and nitrogen.

9 pp.

JAPANESE, Kogyo Kagaku Zasshi, Vol 74, 1953, pp 752-754

NASA TT F 14,322

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Atch 29, IR 1 850 0116 64.

*FTD-MT-64-342

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*ANNA ET F 14,322

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Report I: The Solubility of Magnesia and Lime in
~~XXXXX~~ Molten Cryolite, by Yasunaga & Hayakawa,
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Resistance of Rice Plant to the Inochi Disease
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and Magnesia Contents, by Y. Ishizuka and Y. Hayakawa.
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pp. 253-260, 1951.
SLA-TT-66-11540

Y. Hayakawa

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Calorimetric Determination of Small Amounts of
Fluorine With Neo Tharin, Report No 1, by E.
Koichi, T. Hayami, 10 pp.

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No 11, Nov 1955, pp 1291-1293.

NIH 6-12

Sci - Med

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REFLECTIVITY OF MULTILAYER FILMS
Shingo Tsunekane, tr. 1963, 9p 4refs NRCC Technical
Trans. 1086.
Order from NRCC \$0.50 NRCC-C-4479

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DESCRIPTORS: *Dielectric films, *Reflection,
Differential equations.

(Physics--Optics, TT, v. 11, no. 4)

TT-63-22725

- I. Hayamizu, Y.
- II. NRCC-TT-1086
- III. NRCC-C-4479
- IV. National Research
Council of Canada

Office of Technical Services

Studies on Saline Water Conversion by Freezing
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Properties, by T. Uchida, I. Hayano.
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Vol. 11), No. 6, 1964, pp 382-387.
*220

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I. Hayano

Sci-Tech
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Semi-Quantitative Analysis of a Small Amount of
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Jun 61

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Order from SLA \$2.60 62-20162

Trans. of Denki [Tsushin] Gakkai Zasshi (Japan) 1957,
v. 40, no. 11, p. 1151-1157.

DESCRIPTORS: *Telephone receivers, *Capacitors,
*Titanium, Design, Tests, *Microphones.

62-20162

I. Hayasaka, H.
II. Suzuki, T.

Hayashi, Akira.
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between Lignin and Carbohydrate. May 62, 8p. 16 refs.
FPRB Trans. no. 154
Order from NRCC

NRCC C-4388

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v. 35, p. 83-86.

DESCRIPTORS: *Lignin, *Carbohydrates, Chemical
bonds, *Phenols, *Glucosides, *Xylose, Chromato-
graphic analysis, Hydrolysis, Hydroxides, Glycoside
hydrolases.

63-17540

- I. Hayashi, A.
- II. Title: Studies ...
- III. FPRB Trans-154
- IV. NRCC C-4388
- V. Forest Products Research
Branch (Canada)
- VI. Bureau of Translations
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Hayashi, Akira.

ON THE ACTION OF BONDED SUBSTANCE ON
CHROMATOGRAMS. Rept. 9 of Study on the Chemical
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8p. FPRB Trans. no. 153.
Order from NRCC

NRCC C-4294

Trans. of [Nihon Nogei-Kagaku Shi] (Japan)
1961, v. 35, p. 80-83.

DESCRIPTORS: *Lignin, *Carbohydrates, Separation,
Chemical bonds, *Paper chromatography. .

(Chemistry--Analytical, TT, v. 9, no. 9)

63-12882

I. Hayashi, A.

II. Title: Study...

III. FPRB Trans-153

IV. NRCC C-4294

V. Forest Products
Research Branch
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Office of Technical Services

A Noteworthy Fact About the Activation of
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On Thiazole System Amine-n-oxides, by E. Ochiai,
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(AEC-TR-2911)

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Method of Manufacturing Aluminum Continuously
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Junzo Tsurugi, Tokiji Tsubouchi,
Naichi Ando, Hiroshi Kondo, 18pp
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10 D 121, appl. no. 43029/1961, 27 Nov 61, Showa
Electro-Industry Co,
SA Code P 339

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Sci - Meta
May 67

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The Present Condition of the Negotiations Concerning
the Import of Industrial Plants to China and the
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JAPANESE, per, Ajia Kaizai Jumbo, Tokyo, Jun 1964,
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On Thiazole System Amine-n-Oxides, by Ei-ji Ochiai,
Eisaku Hayash', 6 pp.

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AEC Tr 2911

Sci - Chemistry
Jun 57

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On the Mechanism of the So-Called Freeze Phenomenon
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Sci-Biol & Med Sci
Mar 63

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anodyne research. Part 2. Method of determining Sedative Effect in Hot-water Shock, 49
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DL-Japan

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The Effects of High Hydrostatic Pressure on
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Dept of Navy/ONI 2441

Sci/1 and 2
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K. Hayashi

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Separation du Ruthenium Par la Resine Echangeuse
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Sci
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Initiator Reactivities in Graft Copolymerization ⁷⁰
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1964, pp 323-327.
NTC-69-16299-111

K. Hayashi

Sci-Materials
Feb 70

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Biological Action of Hydrostatic Pressure, by
K. Hayashi.

JAPANESE, per, Japanese Journal of Medical
Progress, Vol 48, 1961, pp 291-

Dept of Navy ONI

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Sci/B&M

Jun 67

Exchange of Ions at the Surfaces Between Precipitates
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1962, pp 1068-1074.
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Sci-Nucl Sci
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Radiation Polymerization of Formaldehyde, by
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Sci - Nucl Sci

Jul 63

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Hayashi, Kanae.
CELL STIMULANT EFFECT OF HIGH WATER
(HYDRAULIC) PRESSURE AND ITS CHARACTER-
ISTICS. [1963] 46p (figs tables omitted) 92refs
Order from SLA \$4.60 TT-63-20375

Trans. of [Nihon Seirigaku Zasshi] (Japan) 1961,
v. 23, p. 527-546. (Abstract available)

DESCRIPTORS: *Cells (Biology), *Physiology, *Mo-
physica, Water, *Pressure, Cytochemistry,
Metabolism, Stimulation, Ecology.

In many structural cells, their activity is increased
and their functions are promoted when the environmental
hydraulic pressure is raised to $\times 10^2$ atmospheres.
Physically and chemically, the pressure of this kind
brings about a change in the degree of dissociation,
viscosity and enzyme activity of the cell components
(Biological Sciences--General, TT, v. 11, no. 3) (over)

TT-63-20375

I. Hayashi, K.

Office of Technical Services

54
Recent Progress in Radiation Chemistry on
Polymers in Japan, by K. Hayashi.
JAPANESE, per, Nihon Genshiryoku Gakkai Shi,
Vol 5, No 12, 1963, pp 997-1005.
NLL 4616.625 (NSJ-Tr-56)

K. Hayashi
Sci - Chem
Sept. 67

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Hayaashi, Katsumi.
SULFUR CONTAINING ACTIVE CARBONS. [1961]
19p. (8 refs. omitted)
Order from SLA \$1.60

61-18695

Trans. of Kagaku to Kogyo, Osaka (Japan) 1960, v. 34,
p. 473-477.

DESCRIPTORS: *Sulfur, Carbon, *Activated carbon,
Chemical reactions, Desulfurization, Dehydrogenation,
Synthesis, Physical properties, Adsorption.

The preparation and properties of sulfur containing
carbons are reviewed.

(Chemistry--Physical, TT, v. 7, no. 1)

61-18695

1. Hayaashi, K.

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Recent Progress of Radiation Chemistry on Poly-
mers in Japan, by Koichiro HAYASHI, 17 pp.
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Sci - Nuclear Science
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Vol 5, No 12, Dec 1963, pp 997-1005. 0233272
AEC NSJ-tr-56

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Sci/Chemistry
Aug 66

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Concerning Fa-ts'ai, a Species of Edible Blue-Green
Algae. Kamina, an edible blue seaweed, by Kameo
Hayashi, 7 pp.

Full translation.

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pp 89-90.

S.L.A.

Scientific - Chemistry

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Jul 55

Exchange of Salt in Solution and Those on the
Surface of Finely Div. by Kenjiro Hayashi,
32 pp.
JAPANESE, par. Nippon Kagaku Zasshi, Vol. LXXIII,
No. 10, 1962, pp. 2004-2014. 0210007
ARC-AME-11-71

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Kenjiro Hayashi

Sci-Med Sci
Oct 64

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Hayashi, Morita and Okazaki, Mitsun.

FLUORESCENT WHITENING AGENTS. 30 June 62,

13p. (tables omitted) 7 refs.

Order from SLA \$1.60

63-14037

Trans. of Yuki Gosei Kagaku Kyokai Shi (Japan) 1935,
v. 13, p. 458-470.

DESCRIPTORS: *Fluorescence, *Dyes, Chemical
analysis, Chemical properties, *Organic compounds.

This article describes the chemical structure of
fluorescent whitening agents from the standpoint of
organic synthesis.

(Chemistry--Organic, TT, v. 18, no. 8)

63-14037

1. Title: Whiteners

2. Title: Optical brightness

I. Hayashi, M.

M. Okazaki, M.

A-47893

Office of Technical Services

**Thermal Characteristics of a Pebble
Bed Heater, by N. Hayasi.
JAPANESE, rpt, Tokyo Tr-52 1963, pp 1-15.
NASA TT F-10,188**

N. Hayasi

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